Application No. Application No

00996.601 MURAKAMI ET AL
Examiner Art Unit
Randall Chin 1744
SUE CLASSIFICATION
CROSS RECRISCES

Applicant(s)

| CLASS SUBCLASS 15 102               |          |       | SUBCLASS     |          |            | CLASS<br>15                  |                                      | SUBCLASS (ONE SUBCLASS PER BLOCK)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |          |                  |       |          |                       |                         |         |                    |          |          |  |
|-------------------------------------|----------|-------|--------------|----------|------------|------------------------------|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|------------------|-------|----------|-----------------------|-------------------------|---------|--------------------|----------|----------|--|
|                                     |          |       | 3 8          | 77       | 24         |                              |                                      | 1.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 188      | UT       | 200              |       | - 14/2   | Ti.                   |                         |         |                    |          |          |  |
| INTE                                | RNATI    | ONAL  | CLASSIF      | CATIO    | 0.00       | 350                          | 1,555                                | 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 8000     | 600      | 6213             | 200   | 45.5     | 21,085                | 3330                    | 9 33    | 235                | 100      | 200      |  |
| 3 0                                 |          | В     | -11          | /0ò      | de Par     | 19.00                        | 19197                                | well to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 330      | 100      | Variable.        | 100   | 1000     | 5.0                   | No.                     | 0.00    | 100                | 100      | 33       |  |
| 8 0                                 |          | В     |              | 13/00    |            | W.E.                         | 100                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          | 11.00    | 41               | 700   | 2000     | 18/17/                | 2555                    |         | 200                | -        |          |  |
|                                     |          |       | 13/00        |          |            | 100000                       | -                                    | M. Indian                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          | W. W. C. | 64300            |       | 200/0-   |                       |                         | 200     | 1374               |          | 100      |  |
| - 32                                | 10.2     |       | and the same | 1000     | 100        | Visite I                     | 200                                  | 4 800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          | 735      | 201              | -     |          |                       | ALC: U                  | 20      |                    | 10000    | 900      |  |
| /35                                 |          | 1023  |              | /        | (2) 30     | the may                      | 4/24                                 | 1,795,775                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | alany    |          | 200              | -     | 4        |                       |                         | 8 20    | 200                | 1000     | 12       |  |
| 433                                 | 133      |       |              | 1        |            | 100                          | 100                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |          | -                | 72.8  | 8.00     | 100                   | W                       |         | 431.00             | 10,000   | 5 18     |  |
| (Assistant Exerciser) (Date)        |          |       |              |          |            | Š                            | Karlald                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |          |                  |       |          |                       | Total Claims Allowed: 5 |         |                    |          |          |  |
| daraed Smith 6/7/04                 |          |       |              |          |            |                              | Randall Chin  Phomes Examines 6/3/69 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |          |                  |       |          | O.G<br>Print Claim(s) |                         |         | O.G.<br>Pret Fig.  |          |          |  |
| (Legal Instruments Examiner) (Date) |          |       |              |          |            |                              | Complete Comment                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |          |                  |       |          | 1 1a, 1               |                         |         |                    | , 1b     |          |  |
| Claims renumbered in the same orde  |          |       |              |          |            | er as presented by applicant |                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          | icant    | ☐ CPA            |       |          | □ T.D.                |                         |         | □ R 1.47           |          |          |  |
| _                                   | 7        |       | I -          | 100      |            | _                            | 78                                   | 183                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -        | 72       |                  | _     | 75       | Jolin 1               | _                       | 7       | 13.0               |          | 7        |  |
| Final                               | Original |       | Final        | Original |            | Final                        | Original                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Final    | Original |                  | Final | Original |                       | Final                   | Onginal |                    | Fina     | Original |  |
| _                                   |          | - 66  | -            | 31       | in the     | $\vdash$                     | 61                                   | Take I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | $\vdash$ | 91       | HEL              |       | 121      | 1200                  | -                       | 151     | 101                | $\vdash$ | 18       |  |
|                                     | 1        |       |              | 32       |            |                              | 62                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -        | 92       |                  | _     | 122      | 1                     | -                       | 152     | 194                | _        | 18       |  |
|                                     | 1        | 200   |              | 33       | 8.1.0      |                              | 63                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          | 93       | 3440             |       | 123      |                       | -                       | 153     | 9.065              |          | 18       |  |
|                                     | 4        | -4-   | -            | 34       | Details.   |                              | 64                                   | HE SH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          | 94       | 01450            |       | 124      | PCL                   | _                       | 154     | 000                |          | 18       |  |
|                                     | - 5      | 16    | -            | 35       | SHIP       |                              | 65                                   | PRINCIPAL PRINCI |          | 95       | 1000             |       | 125      | 166                   |                         | 155     | 100                |          | 18       |  |
|                                     | 6        | 200   |              | 36       | 9331       |                              | 66                                   | 11155                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          | 96       |                  |       | 126      | 100                   |                         | 156     | e e                |          | 18       |  |
|                                     | 7        | 201   | i.           | 37       | 250        | -                            | 67                                   | DEPTH.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | _        | 97       | 1                |       | 127      | W-II                  | -                       | 157     | 213                |          | 18       |  |
|                                     | -        | 23    | j.           | 38       | 12750      |                              | 68                                   | dia.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          | 98       | (4562)<br>(4562) |       | 128      |                       |                         | 158     | 555                |          | 18       |  |
|                                     | 1        | 490   | i.           | 39       | 100.00     |                              | 69                                   | - TE -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | _        | 99       | 1                |       | 129      |                       | -                       | 159     | 1888               |          | 18       |  |
|                                     | 10       | 200   |              | 40       | 50.00      |                              | 70                                   | 184                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          | 100      |                  |       | 130      | 3.913                 |                         | 160     |                    |          | 19       |  |
|                                     | 1        | 93    | 77           | 41       | 100        |                              | 71                                   | 222                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          | 101      |                  |       | 131      |                       |                         | 161     | B3 :               |          | 19       |  |
|                                     | 12       | 1000  | ii 🗆         | 42       | 10000      |                              | 72                                   | 6353                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          | 102      | BH.              |       | 132      | Danies<br>Danies      |                         | 162     | 2015               |          | 19       |  |
|                                     | 18       | 100   | 9            | 43       | 1000       |                              | 73                                   | 305                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          | 103      |                  |       | 133      |                       |                         | 163     | 1000               |          | 19       |  |
|                                     | 14       | 20    |              | 44       | Chian.     |                              | 74                                   | 461                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          | 104      | 1886             |       | 134      | NAME OF               |                         | 164     | DES.               | _        | 19       |  |
|                                     | 15       | 100   |              | 45       | ordaro.    |                              | 75                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          | 105      |                  |       | 135      | 0.0                   |                         | 165     | 1000               |          | 19       |  |
|                                     | 16       | 112   |              | 46       | ( Terr     |                              | 76                                   | apaly<br>story                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          | 106      |                  |       | 136      |                       |                         | 166     | 000                |          | 19       |  |
|                                     | 11       | 200   |              | 47       | 11111      |                              | 77                                   | Lines I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          | 107      |                  |       | 137      |                       |                         | 167     | \$100mm            |          | 19       |  |
|                                     | 1        | 1     | N.           | 48       | Tibe.      | L.                           | 78                                   | ales:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Γ.       | 108      |                  |       | 138      |                       |                         | 168     | 8.00               |          | 19       |  |
| 1                                   | (1)      |       | 10           | 49       | 1.50       |                              | 79                                   | X-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          | 109      |                  |       | 139      | Will be               |                         | 169     | 200                |          | 19       |  |
| 2                                   | 20       | NY:   |              | 50       | TO SERVICE |                              | 80                                   | 955-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          | 110      | 100              |       | 140      | 11100                 | Ĺ                       | 170     | FER                |          | 20       |  |
| 3                                   | 21       | 114   | 1            | 51       |            |                              | 81                                   | 172-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          | 111      | 312              | ᆫ     | 141      | 30 miles              |                         | 171     | 93.0               | _        | 20       |  |
| 4                                   | 22       | 183   | 22           | 52       | 1866       |                              | 82                                   | Heli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          | 112      |                  |       | 142      | 18/15                 |                         | 172     | 356                |          | 20.      |  |
| 5                                   | 23       |       | E .          | 53       | NAT.       |                              | 83                                   | A SECTION ASSESSMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ᆫ        | 113      |                  | ᅳ     | 143      | 810                   |                         | 173     | 219.2              |          | 20       |  |
|                                     | 24       | 151   |              | 54       | Hilliam    |                              | 84                                   | 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          | 114      |                  |       | 144      | Hal                   |                         | 174     |                    |          | 20       |  |
|                                     | 25       | high- | 1            | 55       | ESIE       | <u> </u>                     | 85                                   | NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          | 115      |                  |       | 145      |                       |                         | 175     |                    |          | 20       |  |
| _                                   | 26       | 123   |              | 56       |            |                              | 86                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          | 116      |                  |       | 146      |                       |                         | 176     | arunin<br>Presiden |          | 200      |  |
|                                     | 27       | 1015  | 1            | 57       | 1          |                              | 87                                   | 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          | 117      |                  |       | 147      | F 199                 |                         | 177     | 2004               |          | 207      |  |
|                                     | 28       | (200  |              | 58       | Hiter 3    |                              | 88                                   | Contract of the last                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          | 118      |                  |       | 148      | 201126                |                         | 178     | in diet.           |          | 208      |  |